

(In the drawings)

(Fig. 1)

1 ... GEAR TO BE MACHINED

2 ... COUNTER GEAR

4 ... WATER

(Fig. 4)

歯形方向 ... TOOTH PROFILE DIRECTION

バーニッシュ ... BURNISHING

本発明 ... PRESENT INVENTION

(Fig. 5)

歯筋方向 ... TOOTH TRACE DIRECTION

バーニッシュ ... BURNISHING

本発明 ... PRESENT INVENTION

(Fig. 6)

表面粗さ ... SURFACE ROUGHNESS

バーニッシュ ... BURNISHING

本発明 ... PRESENT INVENTION

歯形 ... TOOTH PROFILE

歯筋 ... TOOTH TRACE

(Fig. 11)

処理条件 ... TREATMENT CONDITION

処理開始直後 ... IMMEDIATELY AFTER STARTING TREATMENT

処理終了直前 ... IMMEDIATELY BEFORE FINISHING TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

噛合回数 ... NUMBER OF MESHING

(Fig. 12)

処理条件 ... TREATMENT CONDITION

処理開始直後 ... IMMEDIATELY AFTER STARTING TREATMENT

処理終了直前 ... IMMEDIATELY BEFORE FINISHING TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

噛合回数 ... NUMBER OF MESHING

(Fig. 13)

処理前 ... BEFORE TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

処理後 ... AFTER TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

(Fig. 14)

処理条件 ... TREATMENT CONDITION

処理開始直後 ... IMMEDIATELY AFTER STARTING TREATMENT

処理終了直前 ... IMMEDIATELY BEFORE FINISHING TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

噛合回数 ... NUMBER OF MESHING

(Fig. 15)

処理前 ... BEFORE TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

処理後 ... AFTER TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

(Fig. 16)

処理条件 ... TREATMENT CONDITION

処理開始直後 ... IMMEDIATELY AFTER STARTING TREATMENT

処理終了直前 ... IMMEDIATELY BEFORE FINISHING TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

嚙合回数 ... NUMBER OF MESHING

(Fig. 17)

処理条件 ... TREATMENT CONDITION

処理開始直後 ... IMMEDIATELY AFTER STARTING TREATMENT

処理終了直前 ... IMMEDIATELY BEFORE FINISHING TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

嚙合回数 ... NUMBER OF MESHING

(Fig. 18)

処理条件 ... TREATMENT CONDITION

処理開始直後 ... IMMEDIATELY AFTER STARTING TREATMENT

処理終了直前 ... IMMEDIATELY BEFORE FINISHING TREATMENT

一次 ... PRIMARY

嚙合回数 ... NUMBER OF MESHING

(Fig. 19)

処理前 ... BEFORE TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

処理後 ... AFTER TREATMENT

一次 ... PRIMARY

二次 ... SECONDARY

FIG.1

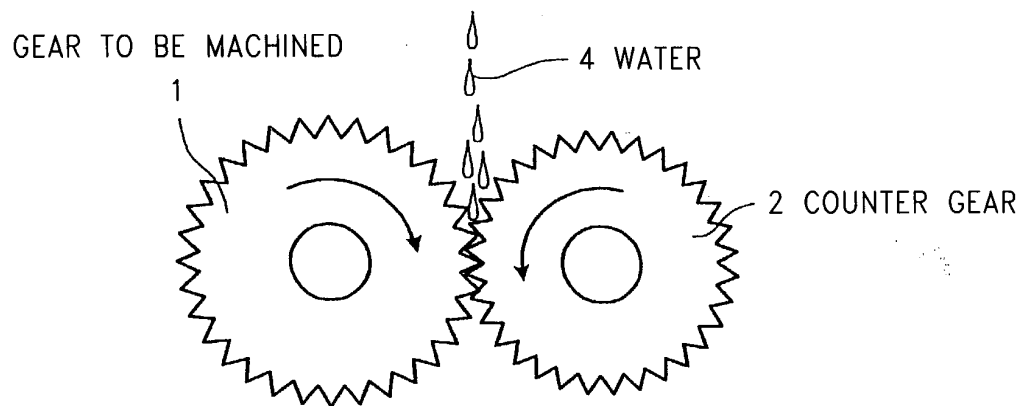


FIG.2

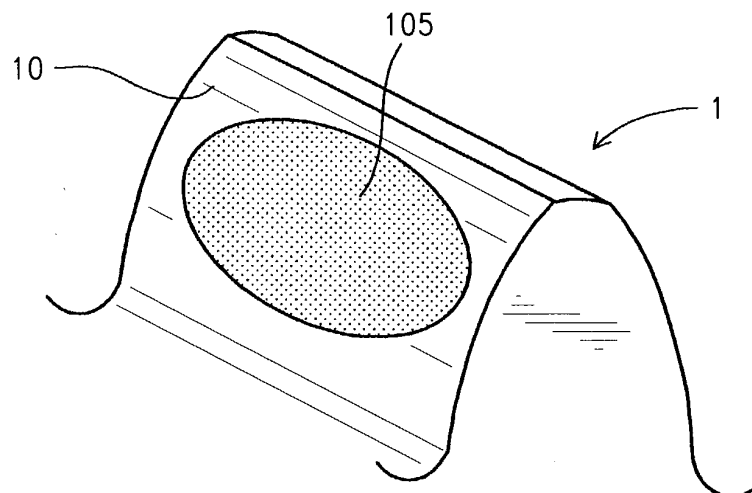


FIG.3(a)

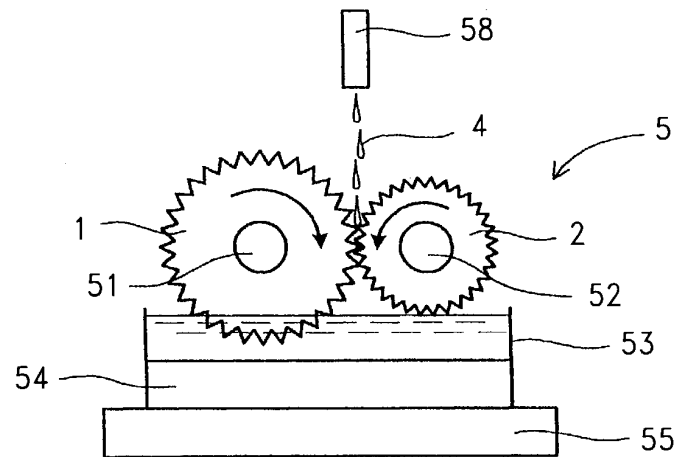


FIG.3(b)

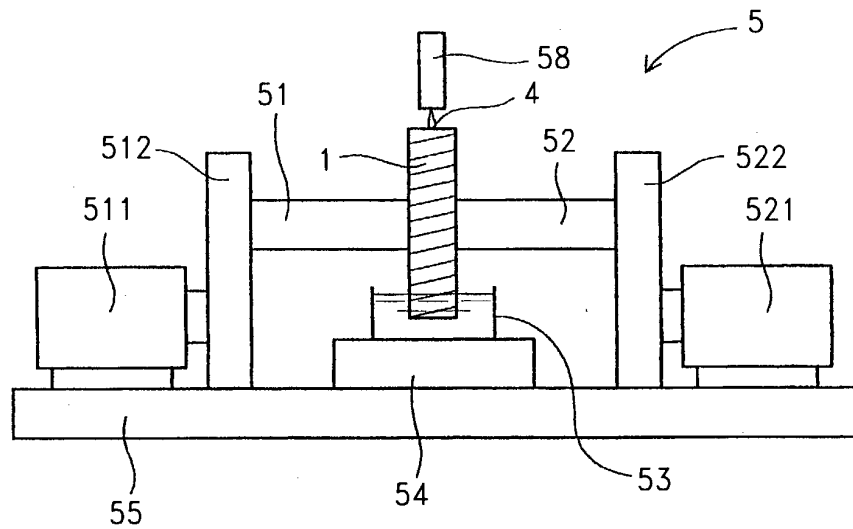
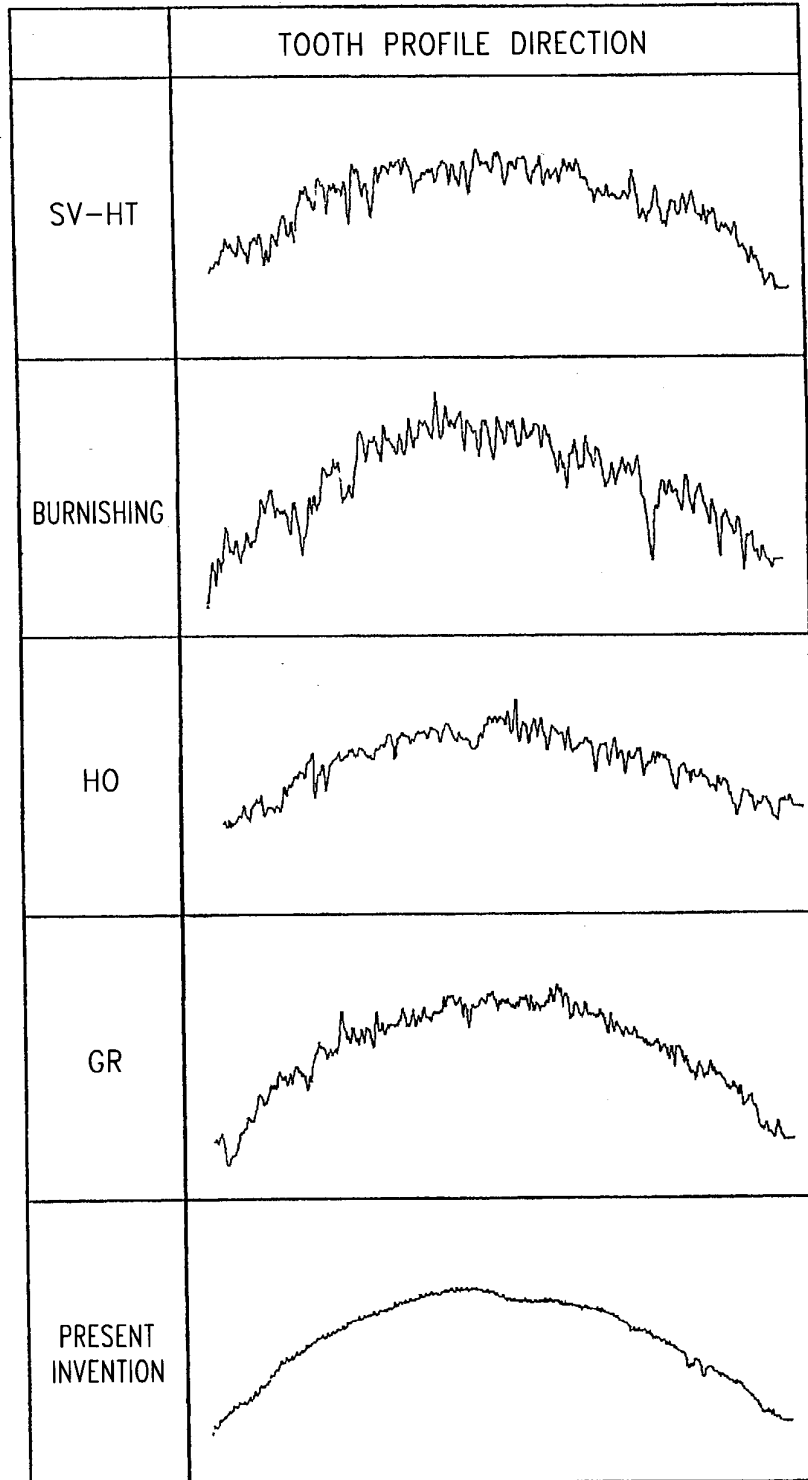
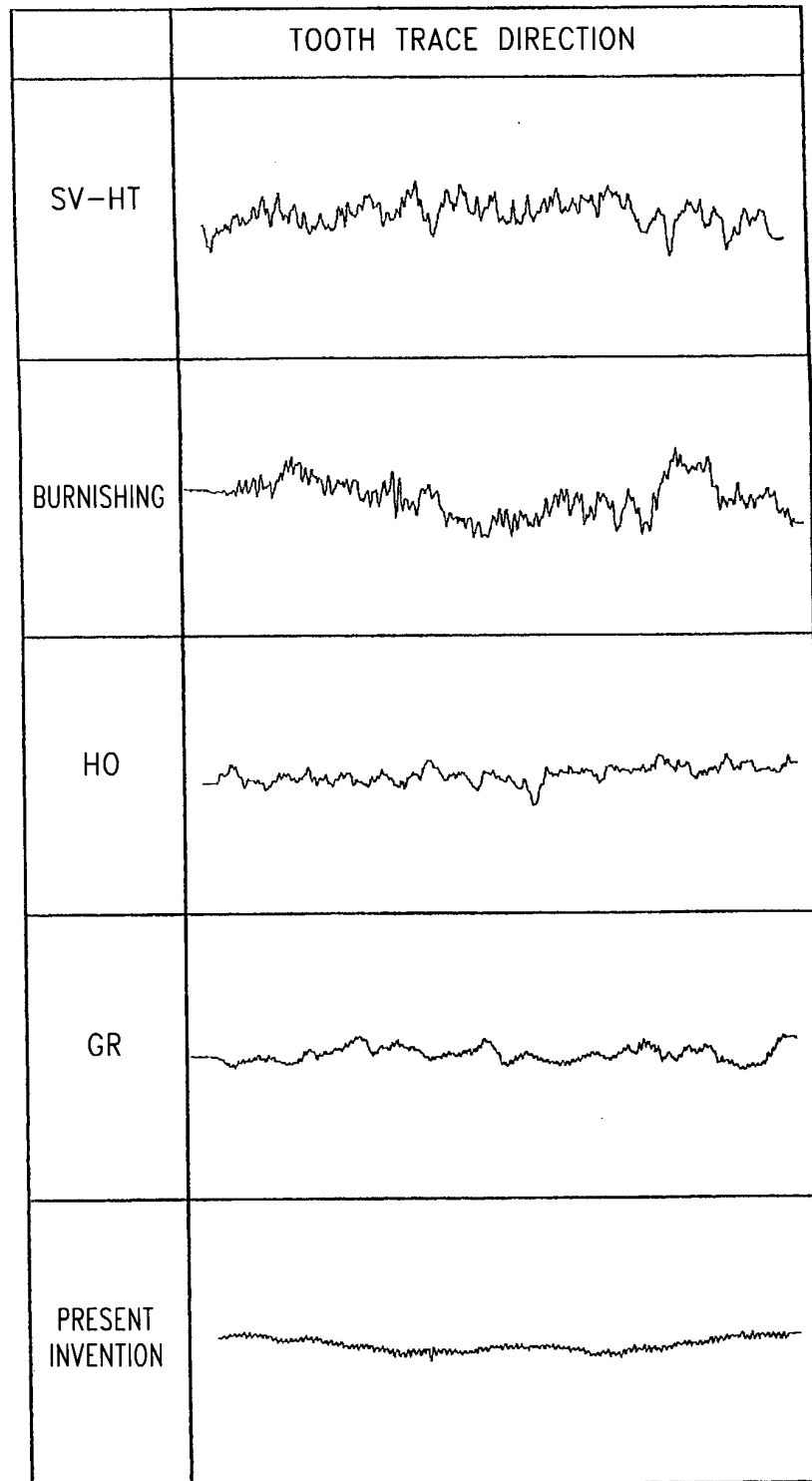


FIG.4



1  $\mu$ m  
0.1mm

FIG.5



$\perp 1\mu\text{m}$   
 $\text{---} 0.1\text{mm}$



FIG.6

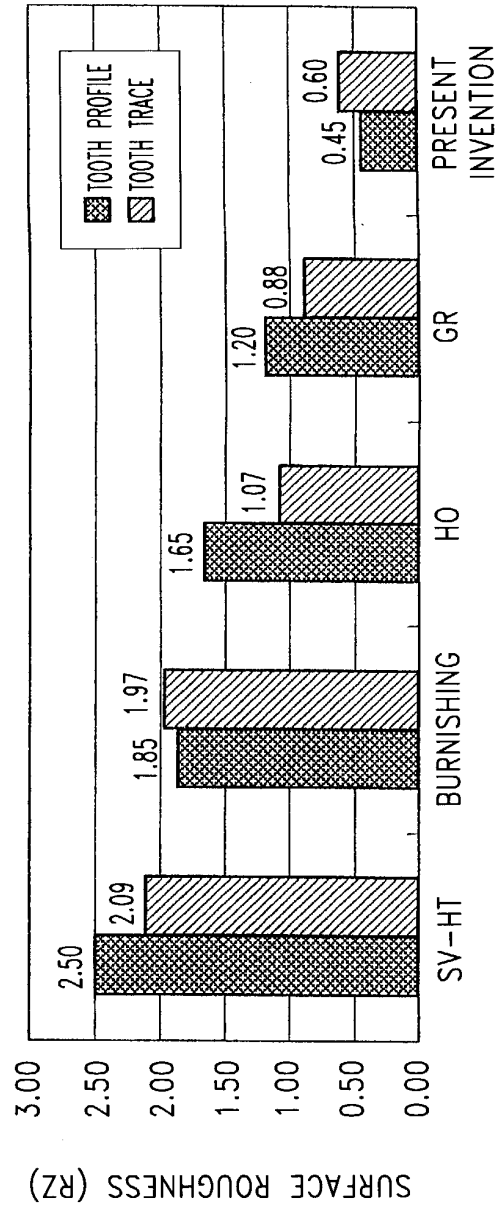


FIG.7

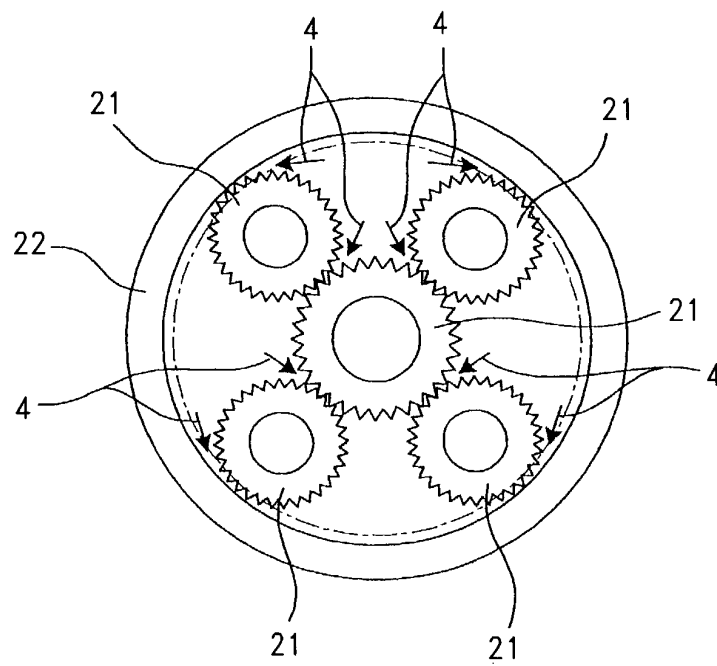


FIG.8

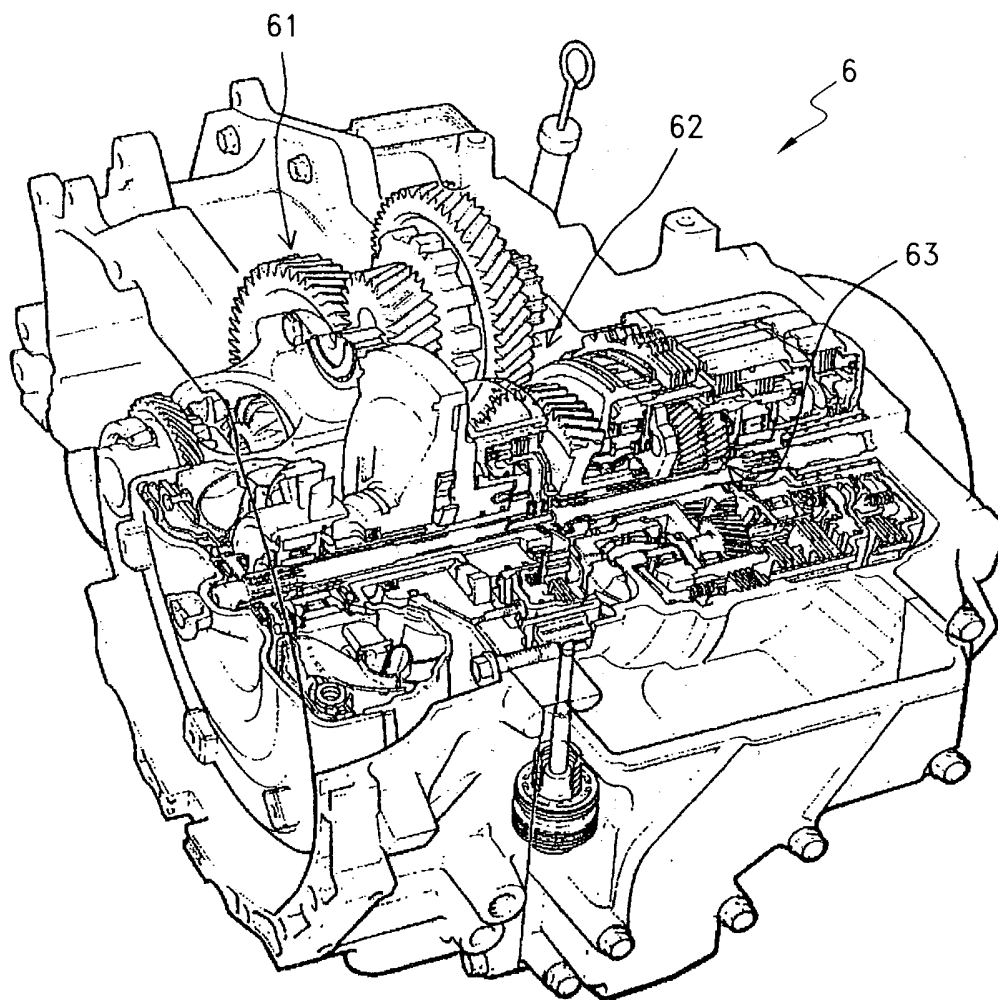


FIG.9

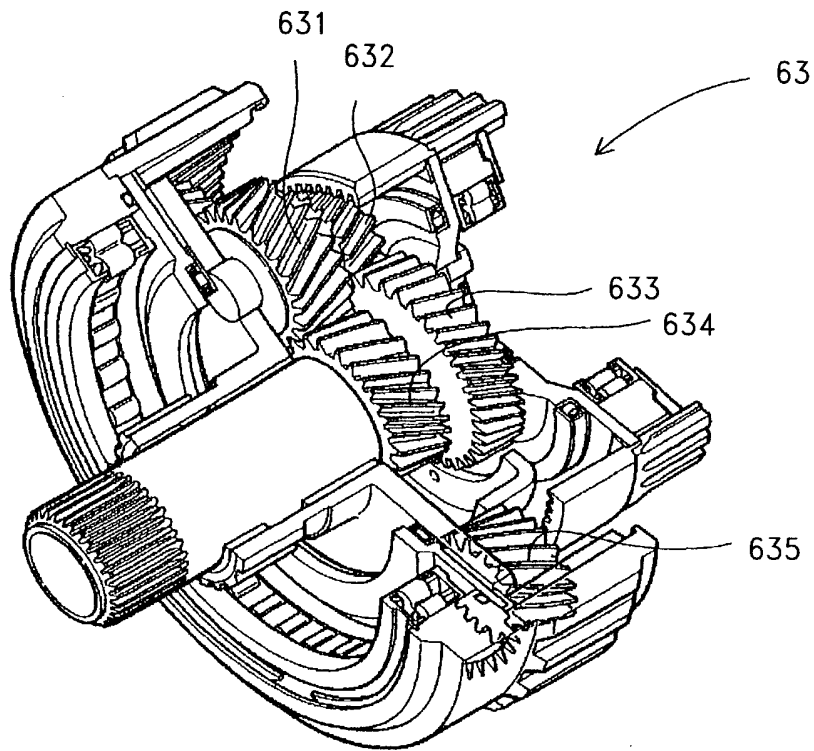


FIG.10

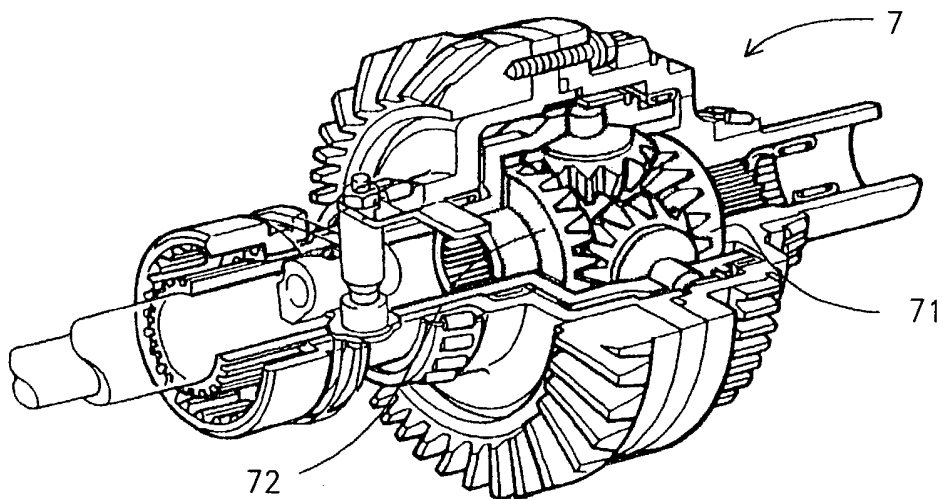


FIG.11

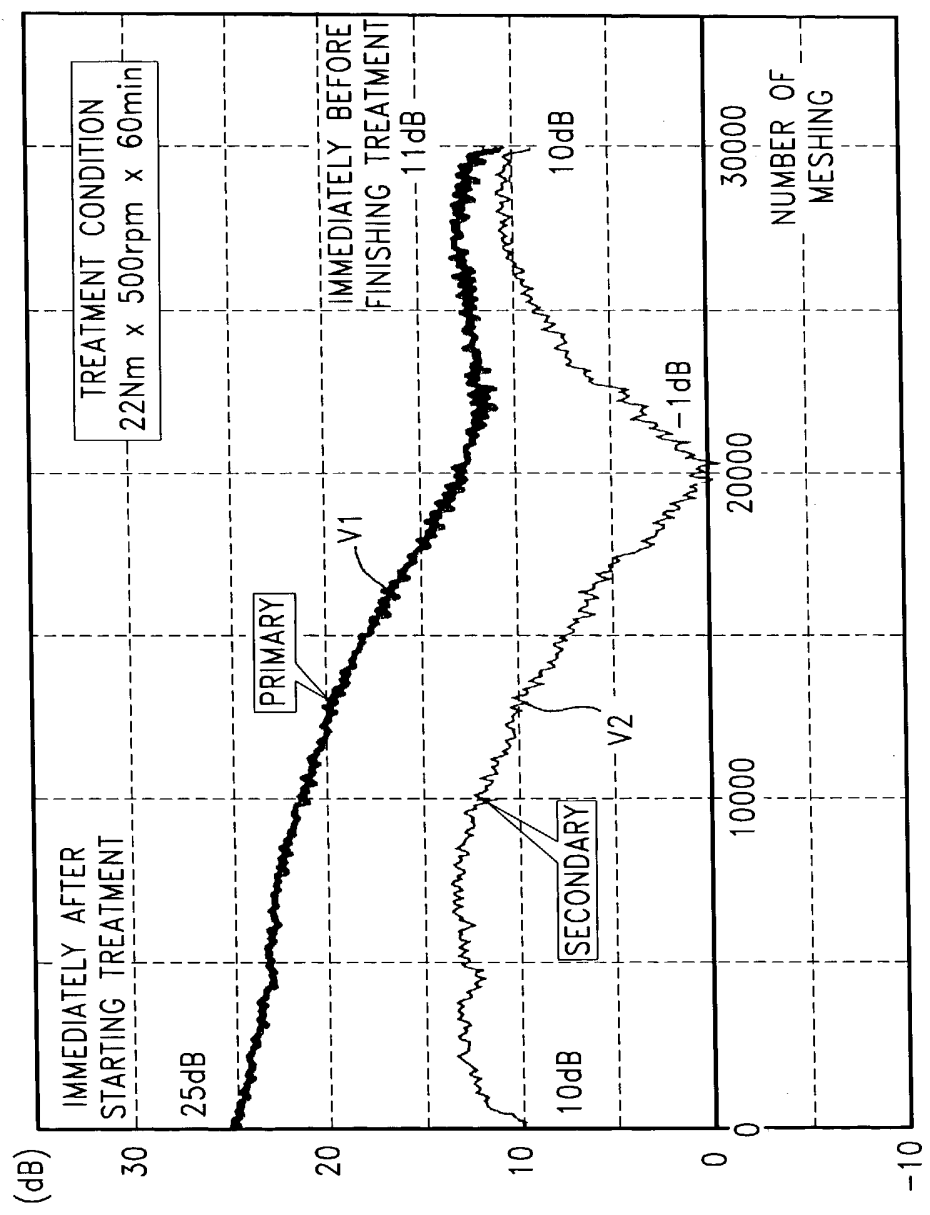
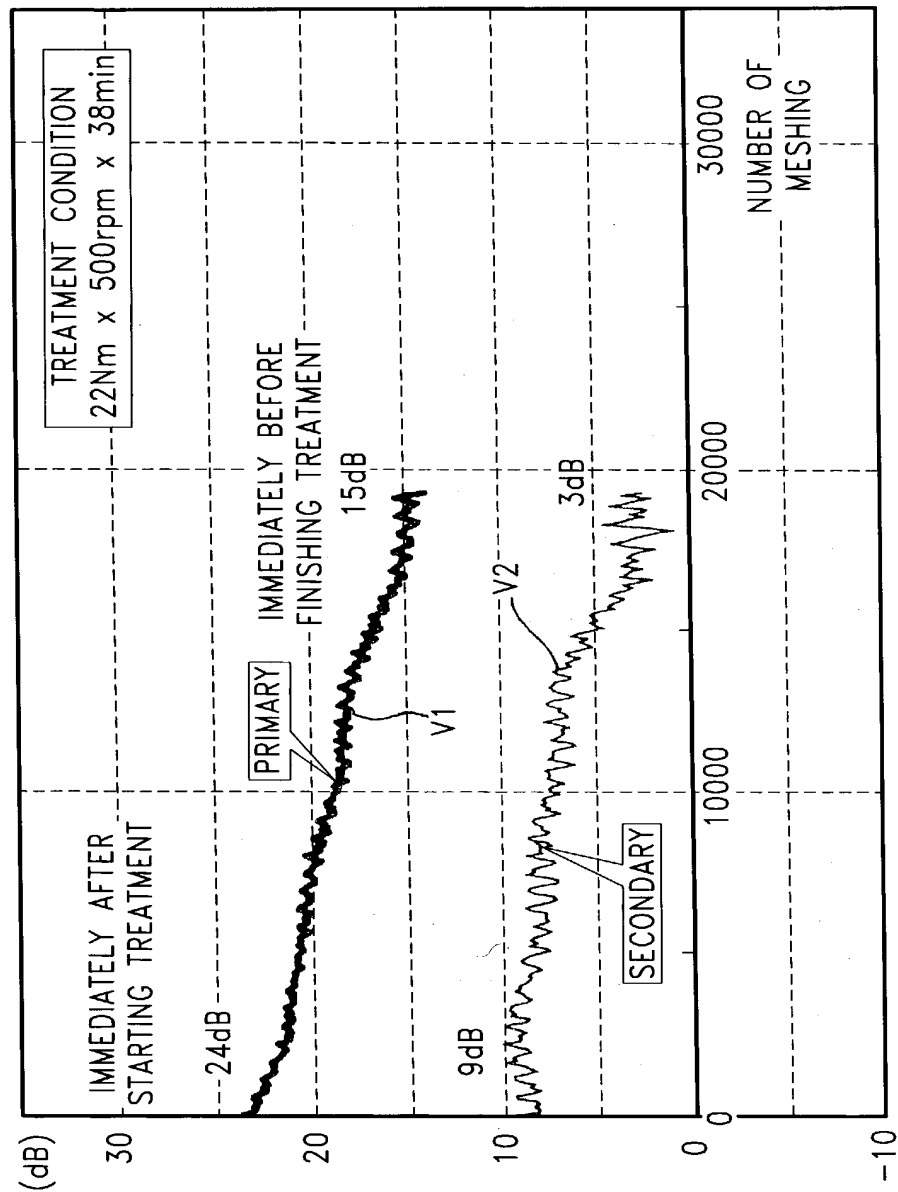


FIG.12



10088997 90 0842007

FIG.13

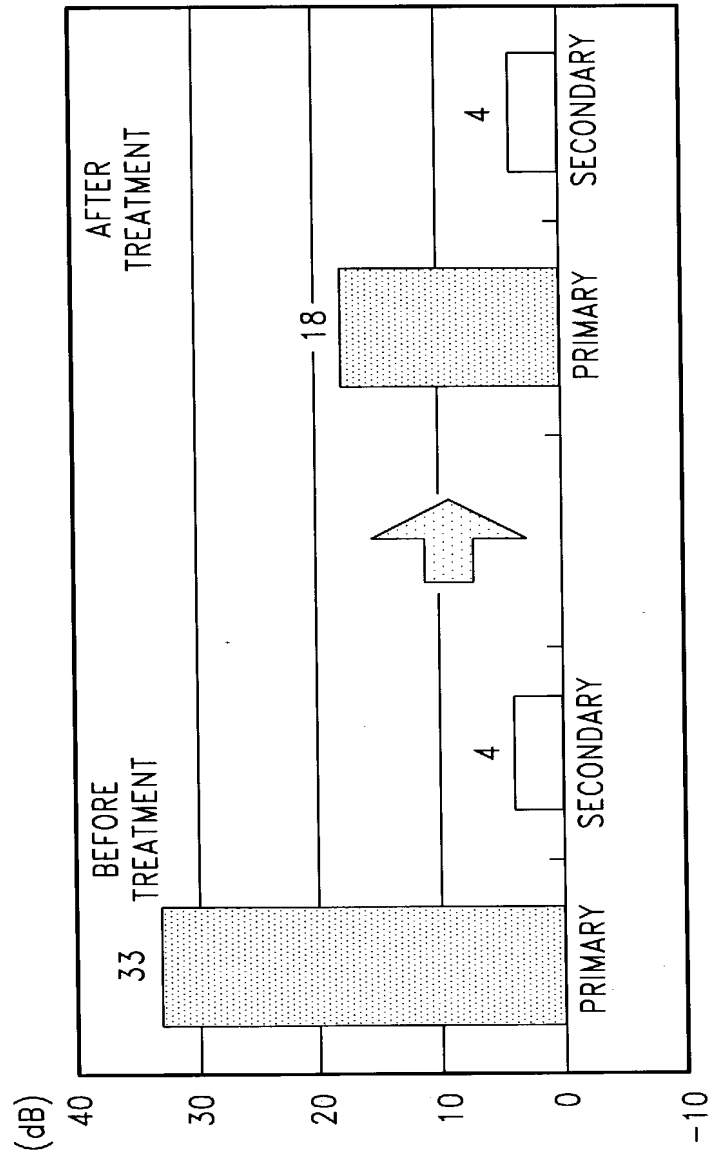
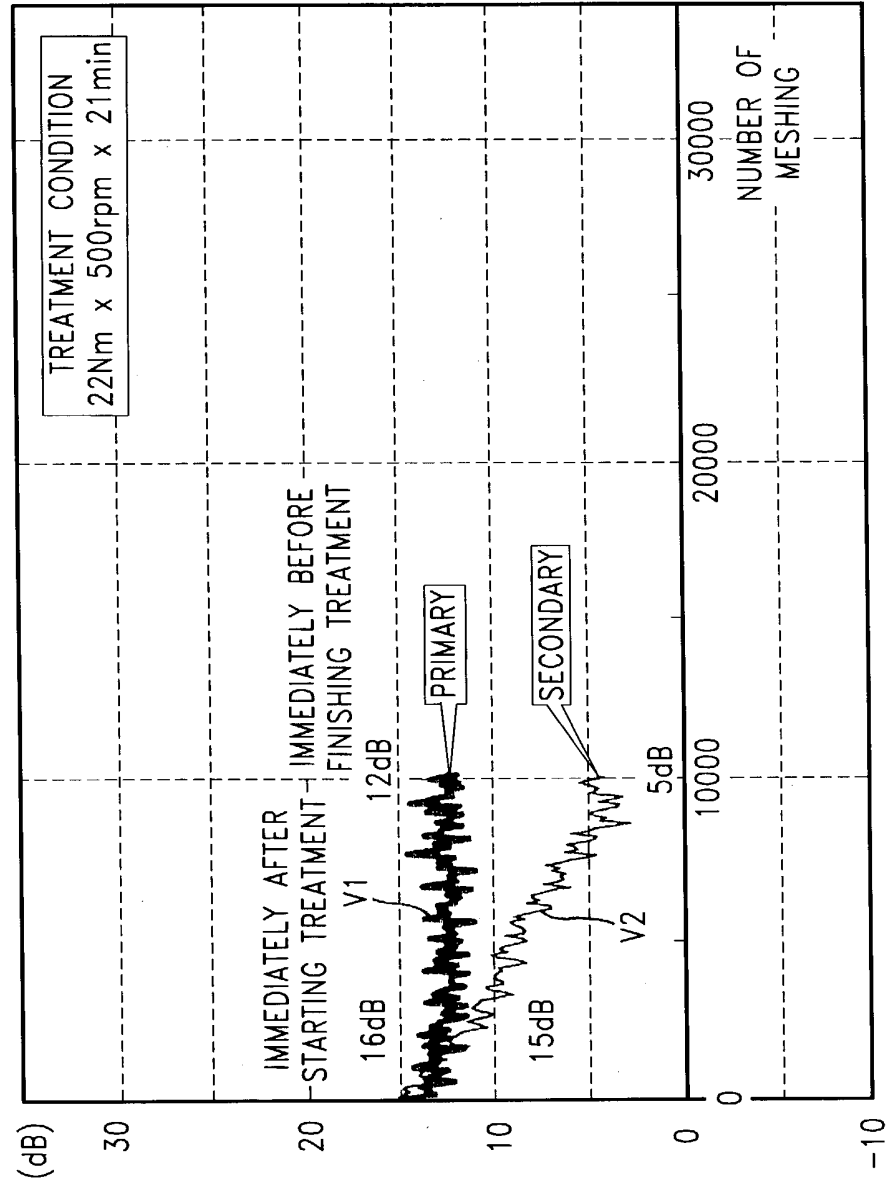


FIG.14





# FIG.15

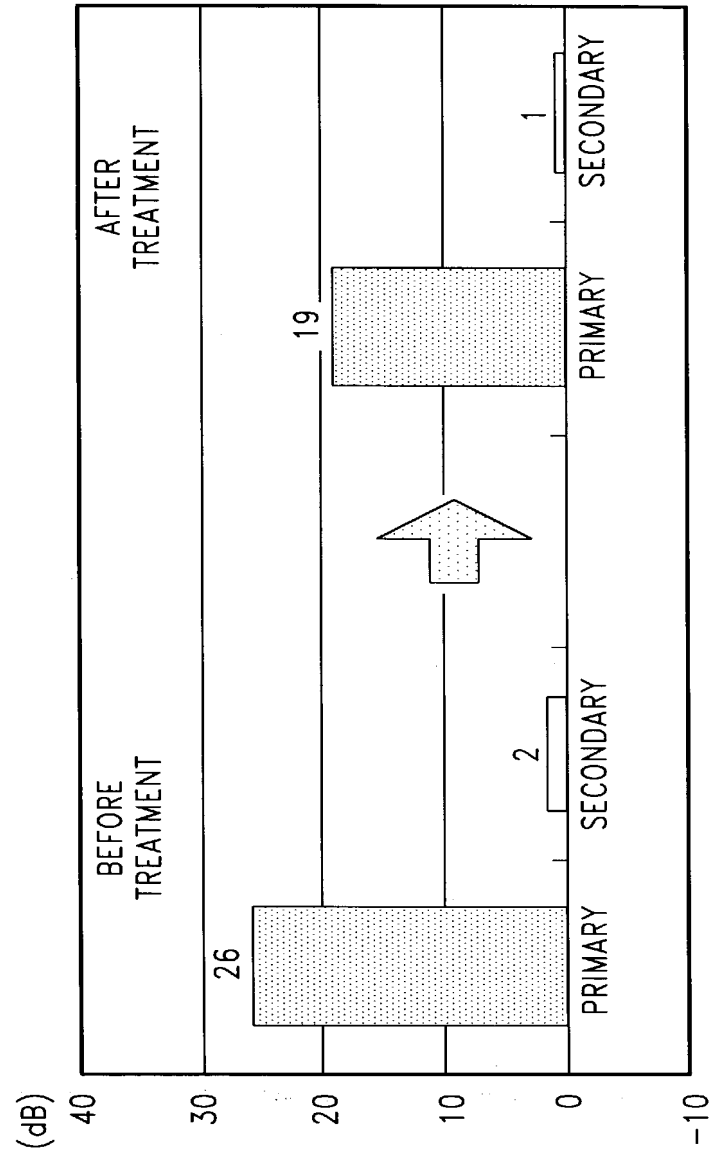


FIG.16

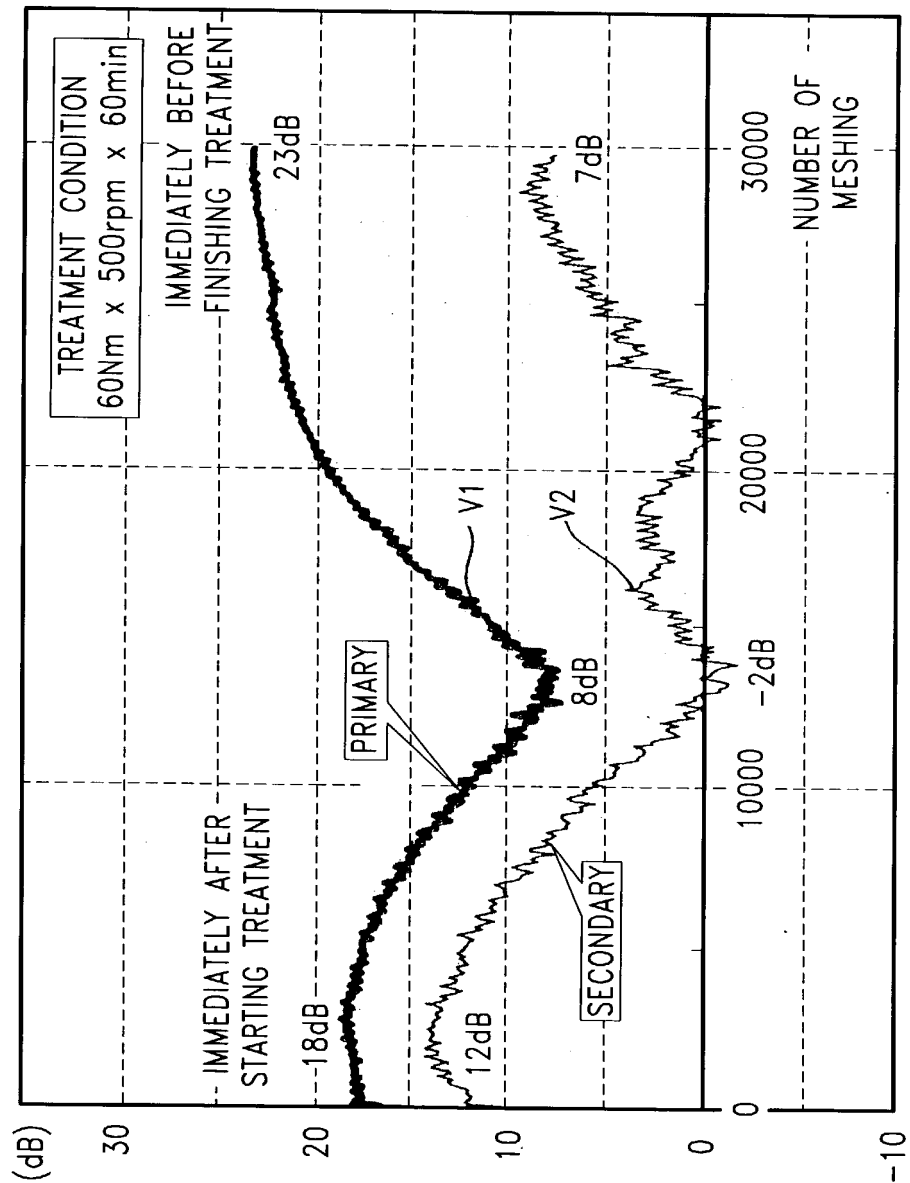


FIG.17

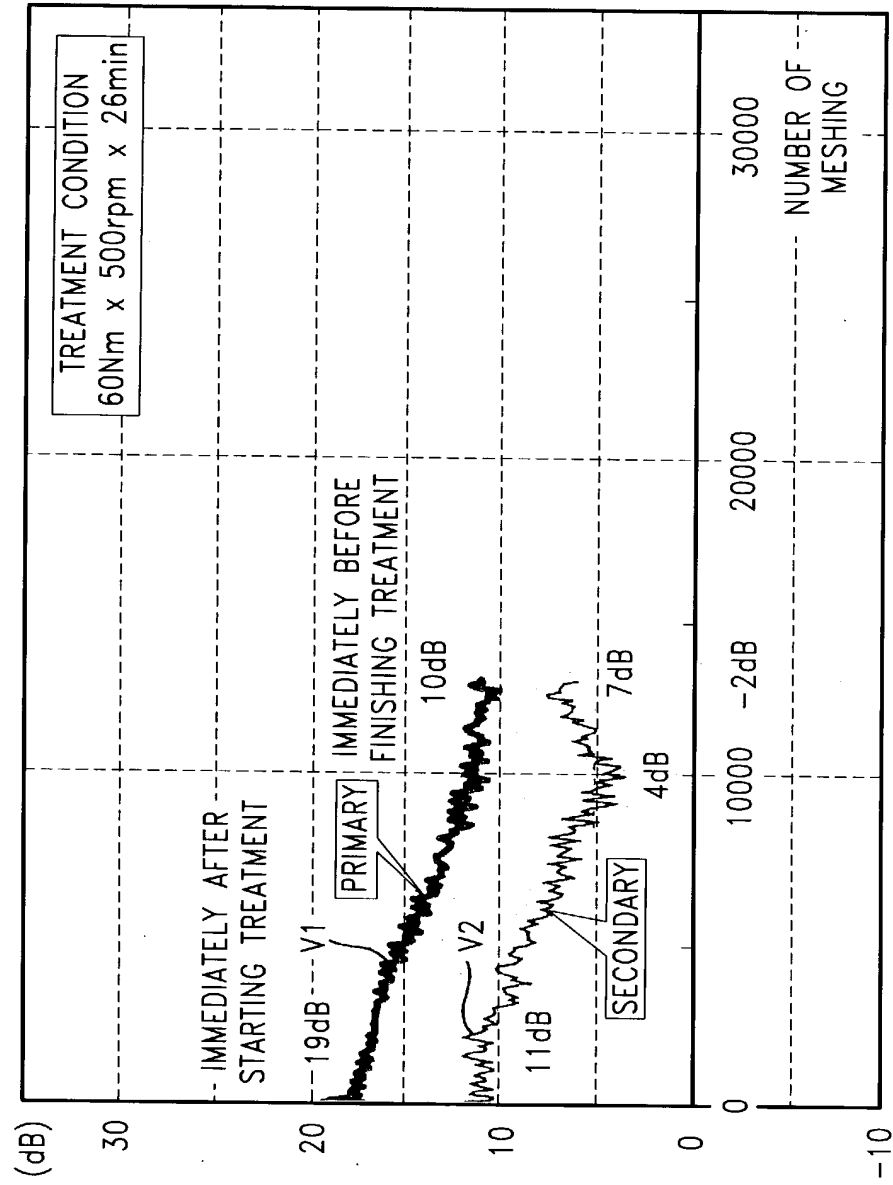


FIG.18

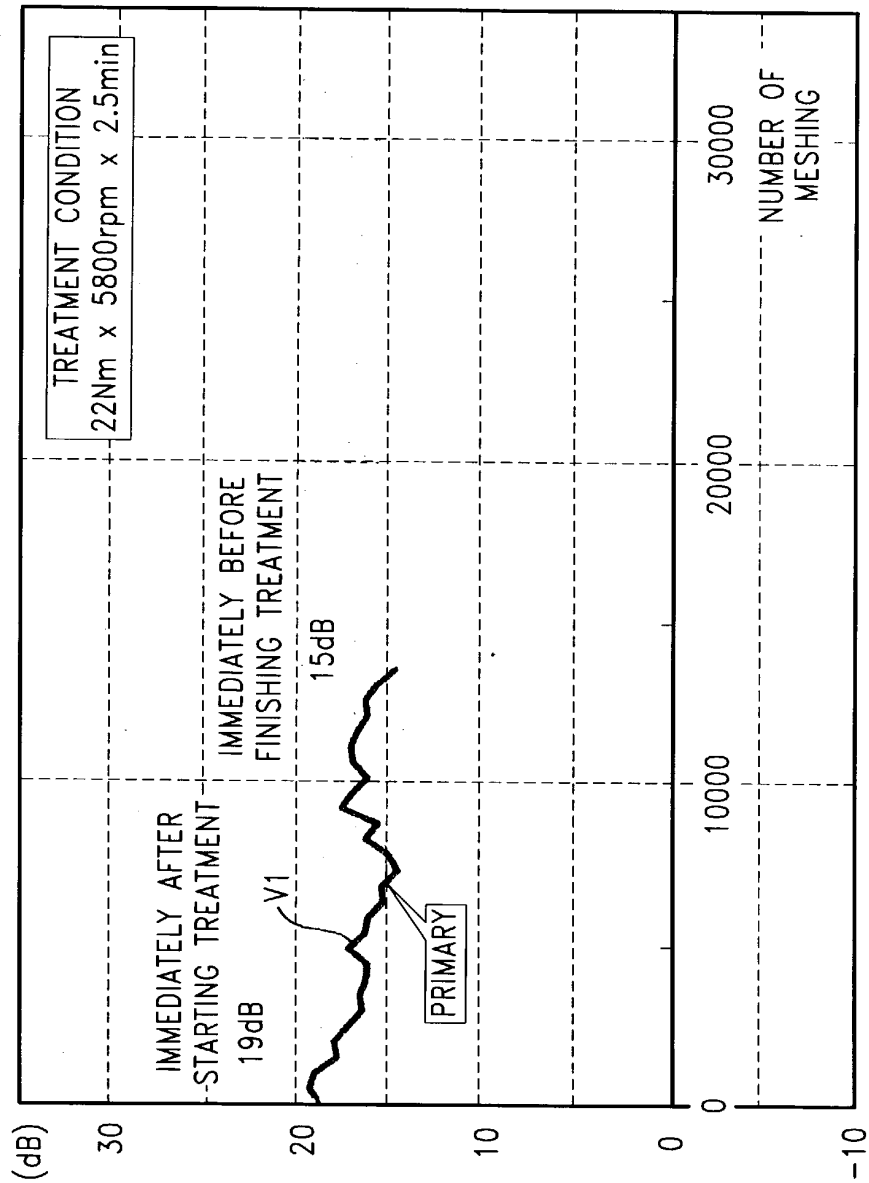


FIG.19

